Missouri Botanical Garden

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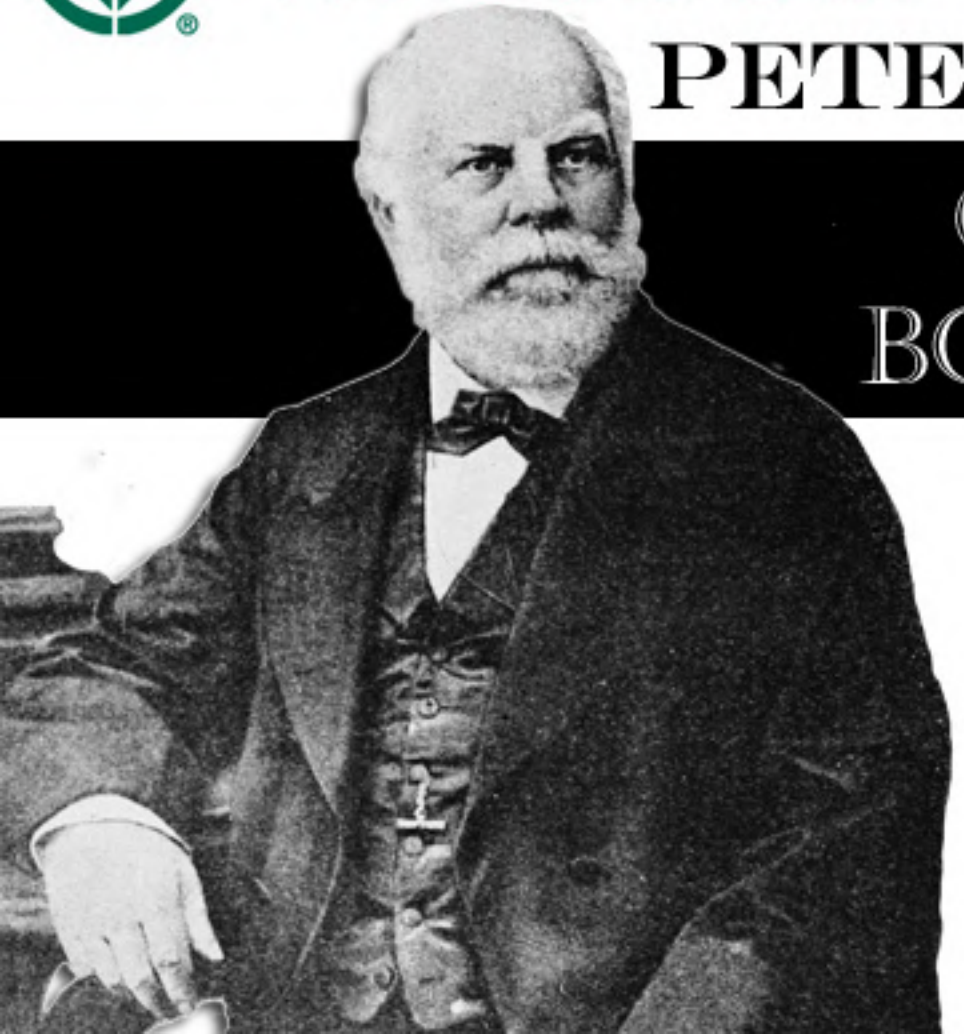

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Hort Seitz Graz July 11 1869

1347

Echinocactus ? cupreatus Seitz. in Horto

Young plants, which came out from the base of an old plant, " sent by Dr J. Storch " from Nevada " ; old plant destroyed by the storm of Dec 8 1869 which did immense Damage

Could the plant be a chilian cultivated specimen?

It was hemispherical, depressed, perhaps 10 inches in diameter ~~Colorspines~~ copper-brown red, whence the name; spines stout recurved ? 6-7 12–18 ? interrupted, tubercles produced under the areola into a long and serrated process (rudiment of leaf) like Ech. reductus, but much more distinct, somewhat in the shape and below

from a sketch from Memory by Seitz.

flower exactly as in Ech. Hankeanus yellowish red, end of June, Hope 1 day 11–3 o'clock

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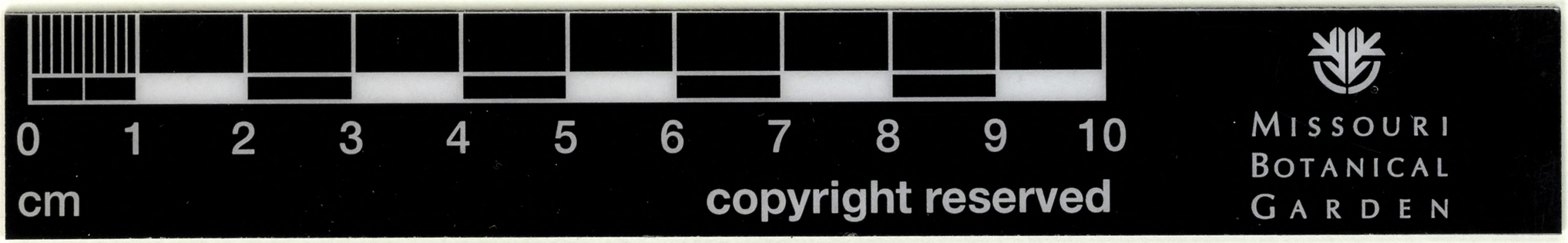
Hartweg Peru July 11 1847

with the so called Echinocactus cinnabarinus Link

With the same box (cigarbox, marked San Francisco) was a very similar one, also copper brown, which Seitz takes for E. rubabilis, plant one 5 inches high, 4 dimensions now only grey ones, which sprouted from the base — tubercles less prominent, powdered, otherwise similar — why distinct?

Why not Chilian?

1348



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Echinocactus Coccineus ; Blüht viel in hiesigen Gärten.
Der ganze Habitus — Aufgesetzt (für Belege) Kurbt
(Hy-Apf-St.) Hy pectin (in frischen ungereinigten Saft ein-
(-Apf) Klarer Filtrirung, Gerbst in der Axill
der Rosetten Cirrhen.

A. Haenke, Berlin Juni 5 1869

1349

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"Echinopactus Cumingii" 1350 Berlin Jun 15th 1908

ex A. Haselhoff,

a strong name, very different from the description given by Forster to No. 1 in Salm's list not Hopfer (?) Ech. Cumingii

Tuberculatus, depresso-globosus
Mamillis depressis angulatis;
areolis oblongis, juvenilibus, in
vertice nudo depresso vix breviter
tomentellis, vix aculeatis; aculeis
in senioribus fere 25, 3-4 lin longis
intermediis 4-6 pectinatis robustioribus
floribus lateralibus ex axillis anni
primi, 1½ poll longis 1¼ poll latis; ovario squamis
1-2 transversis rotundatis instructo; tubo infra squamas
laxe fere 8 obtuse angulato vel oblongo obs. to flavo
sepalis subaequans fere 8 obtusis laciniis apice
recurvis; petalis 11-seriatis 8 cuspidatis
aurantiaco-vitellinis; staminibus flavis
stigmatibus 8 flavidis linearibus subulatis.

This seems to be a Cereus, closely allied to the white flowering reductus and denudatus, with the flattened tubercles in 11/18 ranges the more pointed nibs bearing 7 and 11 parts of intensely yellow flowers in 3/8 order.

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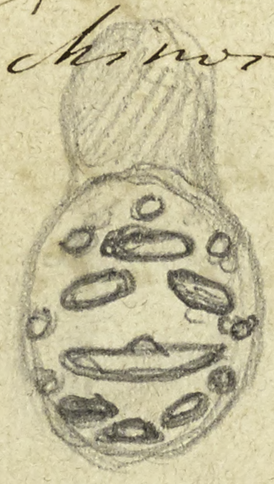
1183 Monte Jacoalco près Guadaloupe

Vallée de Mexico

E. Bourgeau, 9. Novemb. 1865

Expos. Française; 146 Mus. Paris Avril 1869

Echinocactus corniger Lem.



1351

areolis late ovatis, albidis; aculeis centralibus 4 (rubellis), annulatis, plus minus compressis; inferiore latissimo, planato recurvato (apice petens recto); extimis fere 10 tenuiter annulatis, infimis robustioribus, superioribus tenuioribus pallidioribus.

Flores purpureo-rosacei, phyllis imbricatis numerosissimis; sepaloideis margine membranaceo laceris, petaloideis sep. ovarii triangulatis (130-160, in singulo fructu investigato in 16/42 ordine)

sepalis tubi longitudine, superioribus lanceolato linearibus (100-120) medio rubris, petalis lanceolato linearibus versus apicem denticulatis (25-30) rubis purpureis, medio obscurioribus

10 16 26 42

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tubo infundibuliformi nudo recto (2-2½ lin.)
subinde sensim ampliato staminifero (5-6 lin.)
stylo apice rubello, profunde 13-15
partito ramis superiore parte supra
stigmatiferis.

Capsula ovata, sepalis subaristatis tecta, floris radiantis coronata,
seminibus.

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Carpel spikes 2 inches long, hooked
one a little shorter, very broad, 2 lines
wide — flowers 2 inches long, not
as wide — apparently —
berry about 5 or 6 lines long,

Ech Comigenes ~~with spines~~ and Solenacanthus have
broad spines that grow several years in width
1 or 2 years in length, but in width 5 or 6 years; fide
Seitz — similar in recurves. — 1352

Hist Seitz Berg July 10 1869

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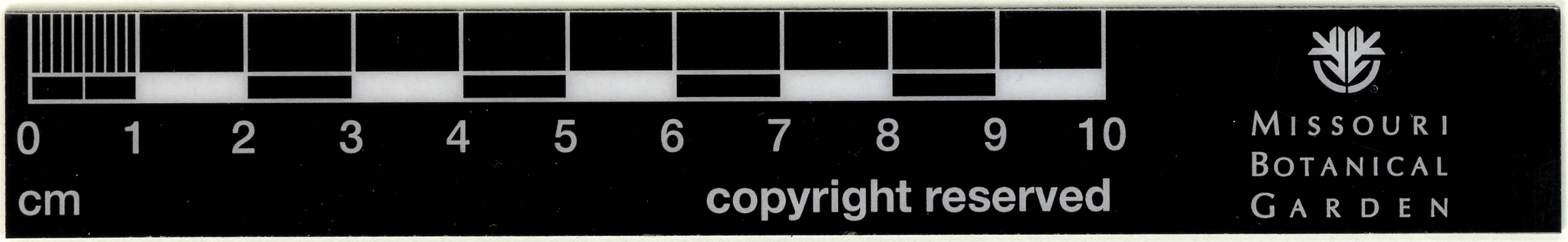
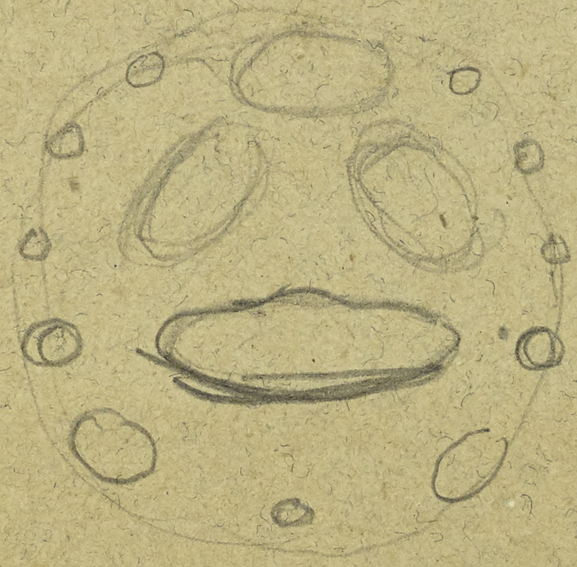


Hort Scitz Prag 1-5 10 1869

1353

younger



older plant.

Ech. corrigens

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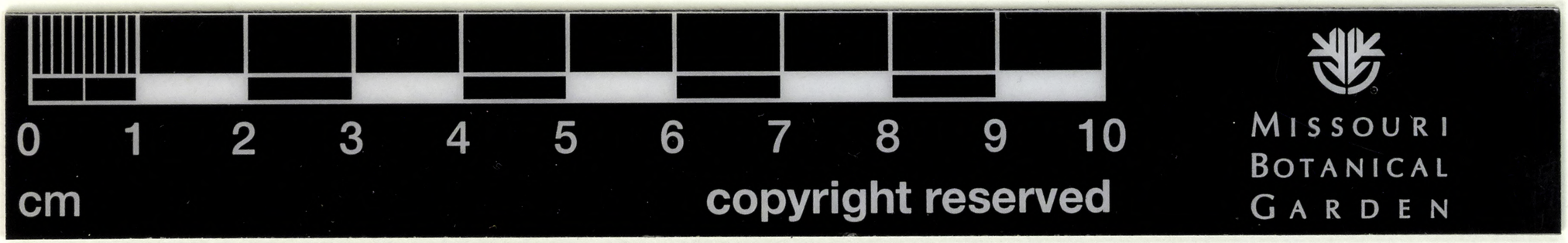
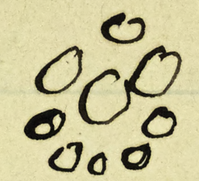


Ech. Echidne (Hort Kew Aug 1857)

apparently = E. electracanthus; spines nearly the same, nearly equal, annulated  1 central and 8 radial, or 4 upper ones shorter, may be considered central, and only 5 lower radial ones — a very forgot arrangement; the upper radial appear very often ½ older more spiny specimens, so that the 4 others appear really central. But whether so in this species?

1354

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Dear Sir

I take the liberty of enclosing you a little plant the identity of about which has been uncertain. Is it not your Calletuche Austini? It grows in moist soil, newly cleared off woodlands &c.

Respectfully

C. D. Fretz M.D.

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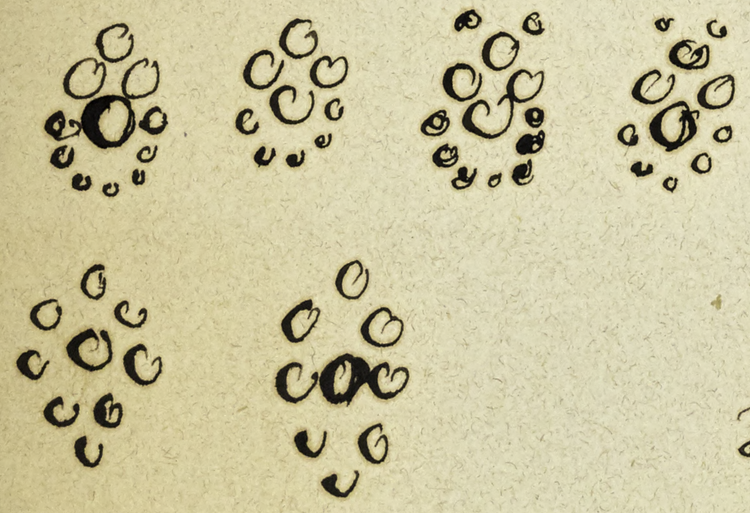
H B Berlin Jan 1869

1355

Echinocactus electracanthus Hort Berlin June 1869

~~Flo~~ Several very large specs 12–15" (inches) diam.
globose, usually 21–23 sharp ribs, elongate areolae
in one specimen 4 spines larger,
5–7 below and none or 2 above
smaller



in other specimens 4 spines more equal
3 radial 1 central spine —

Spines in all red brown, especially below,
stronger ribbed than in hystricacanthus —
flowers very similar to it — yellow, base very

E. electracanthus seems to belong to Homocacanthi.

at Pozdzen, Berlin 1857

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Notes made at St Petersburg Berlin March 1857

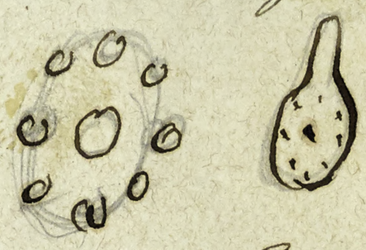
1356

Ech. electracanthus (and very near it
hystricacanthus, probly a variety of Pfr & Otto)
also rom — ? Mexico, 1½–2 feet high,
globose or ovl, — very near Lemairi?
but with yellow flowers, & more so large
spines all red, annulate,
slightly recurved, ruther single, stoutest
towards one almost hooked, slenderest
ribs on the small sp. before me (5 inches high)
sharp, somewhat undulate, 13.—

Echinocactus electracanthus small flowers
ovary & tube with short scaly sepals (Hort
Schaefer Münster Jan 1857

Ech. electracanthus has 21 very
acute ribs and no woolly top
plat 15 inches high. Areolae
elongated with the spines on.
Sp. yellow pale

Hort Dyck Aug 1857



areol

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1857

Ech. formosus, Ht. angl. HS Berlin Jan 1869.

globose, 1 feet ÷ diam. 27 ribs obtuse,
with sharp grooves; areolae oval very
white woolly; Spines bristly or awl-like,
8–11 radial 1 (or sometimes 2–4) central.

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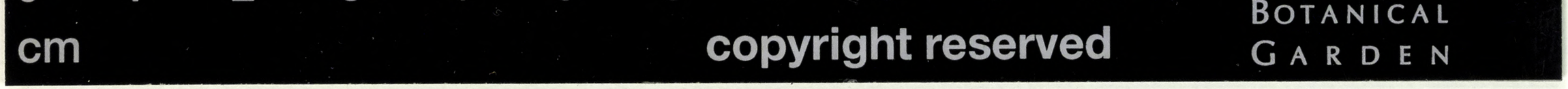
Hort Berl. Jun 1869

Echinoc. hystrix et acanthus globose, 12 inches diam.
(without spines) 21 sharp ribs; elongated narrow
approximate areolae; 6–8 lateral, 1 central
spines, slightly annulate, yellow, or
at base light brown — tending to
4 upper ones becoming larger and central.
Petals yellow lacera, lilac white —
unripe fruit imbricately covered with lanceolate fleshy scales

1869



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Oxalis hirsutithalamica Sess

Hort Shaw Lily 1st 1881 (Comp. botan. Polon.)

plants in bog, and dusty on

wide, deep pure rose-purple.

ovarian cavity small, scarcely a line

~~Stipules~~ staminate part of rapidly widening

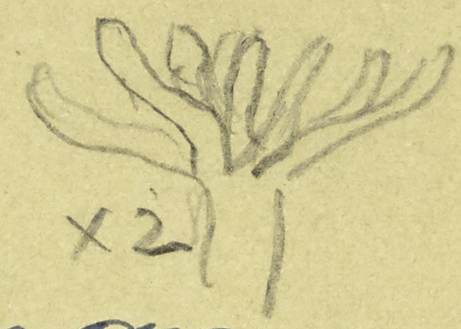
funnel form tube 5 lines.

stamens silky yellow with very numerous.

style reddish, stigmas deep velvet

red, 8. spreading

much exsert over the stamens



petals 32–36 obovate, inner ones

quite obtuse, apiculate; ~~lacerate~~ dentate. Petals close together

forming a uniform cup with pretty even

margin

1359

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Academy of Sciences.

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pression which has pervaded all countries for six
as keenly felt the loss of a large membership, and
the interest of its meetings, and to arrange and
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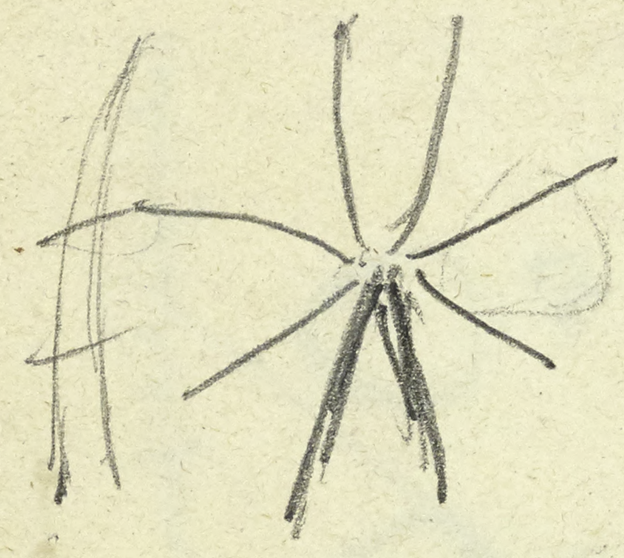

Ech. konjak

zare 2 kom

1360

C. konj. corolla rotata sens —
rotata
Tubus 3 lineas longus
Limbi 1 lato robusto ad 2
pulle. trilineata

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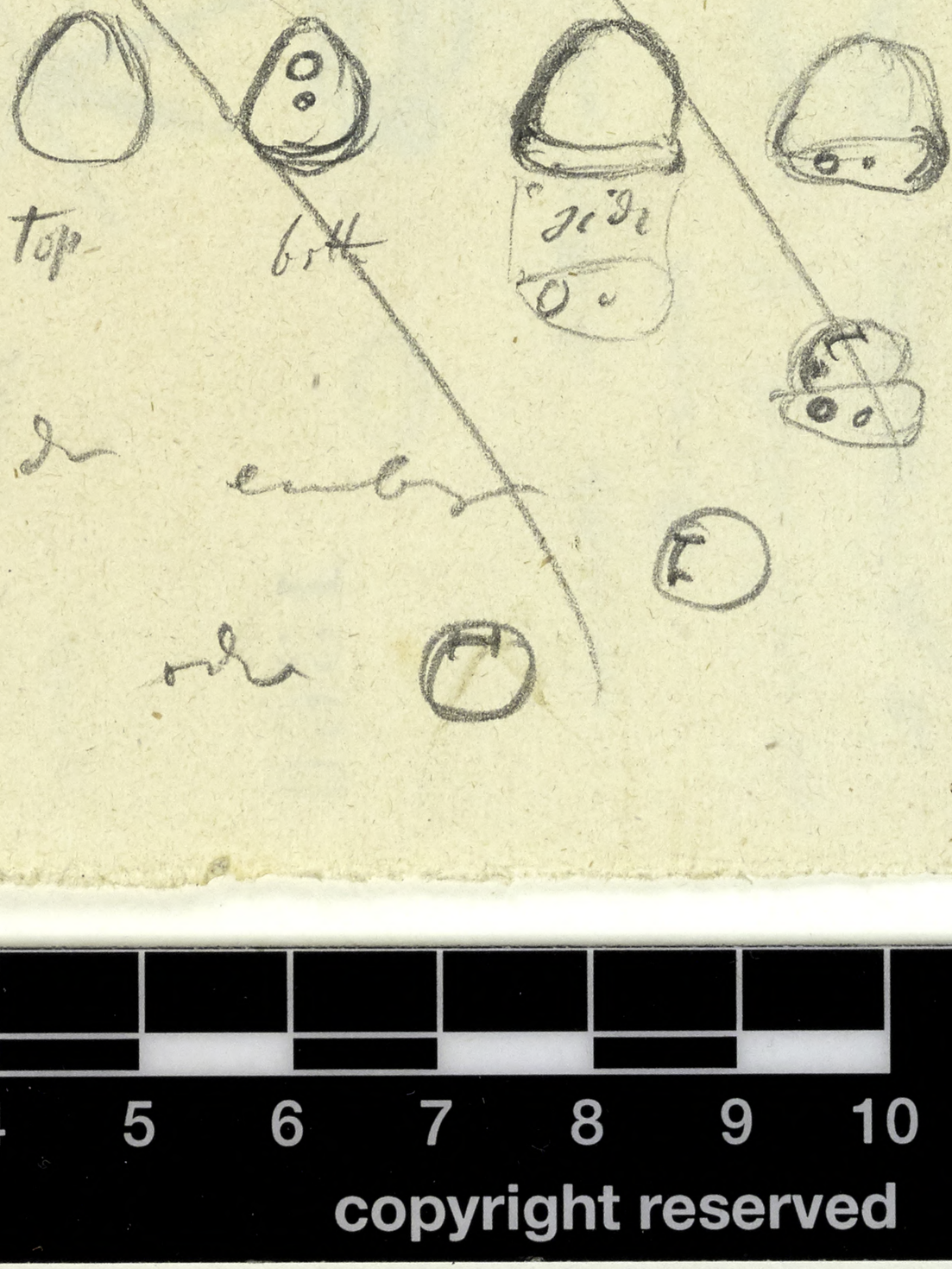
fovcolata Neumann

Schelhasii Uhdeana bivonaeta

provena Hayne Hermanni rubida

Dorsana pulchella sparsiserta nigra wageneri polyanantha

subvaginifera raphidantha



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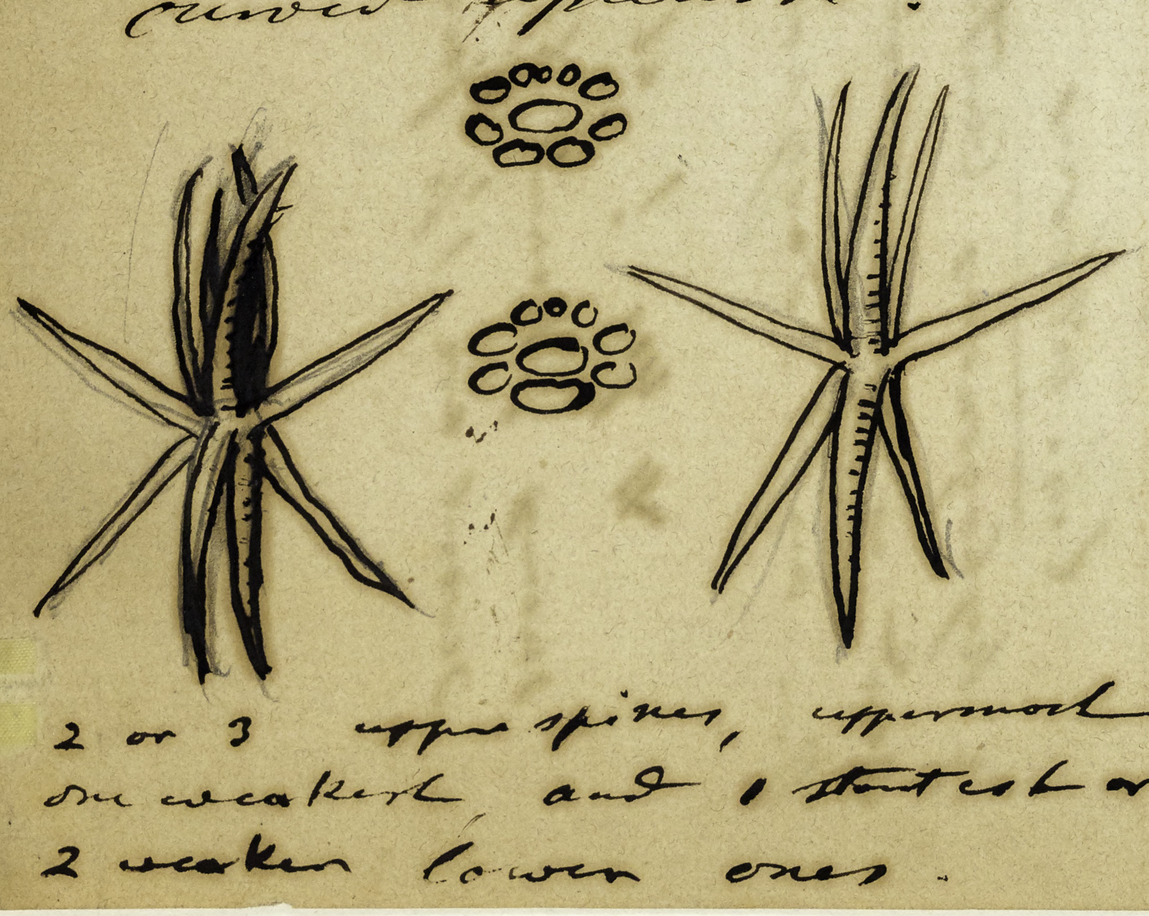
Host Oyck 1857

Echinocactus horizthalonius

1361

Echinocactus horizthalonius
always 2 upper spines
lower one mostly single
(7 spines) or rarely 2
(then 8 spines)
lowest spine mostly
stoutest; ~~often~~ longest,
sometimes less shortest.

One specimen has a remarkably
stout central spine
curved upwards!



2 or 3 upper spines, uppermost
or weakest and 1 shortest or
2 weaker lower ones.

2 spines next
below the the lower
2 p. of upper
2 lateral opp
~ 3 lower ~
~~shortest of~~
stoutest, of
which the middle one is with
small central ~ or even
the areole of next below

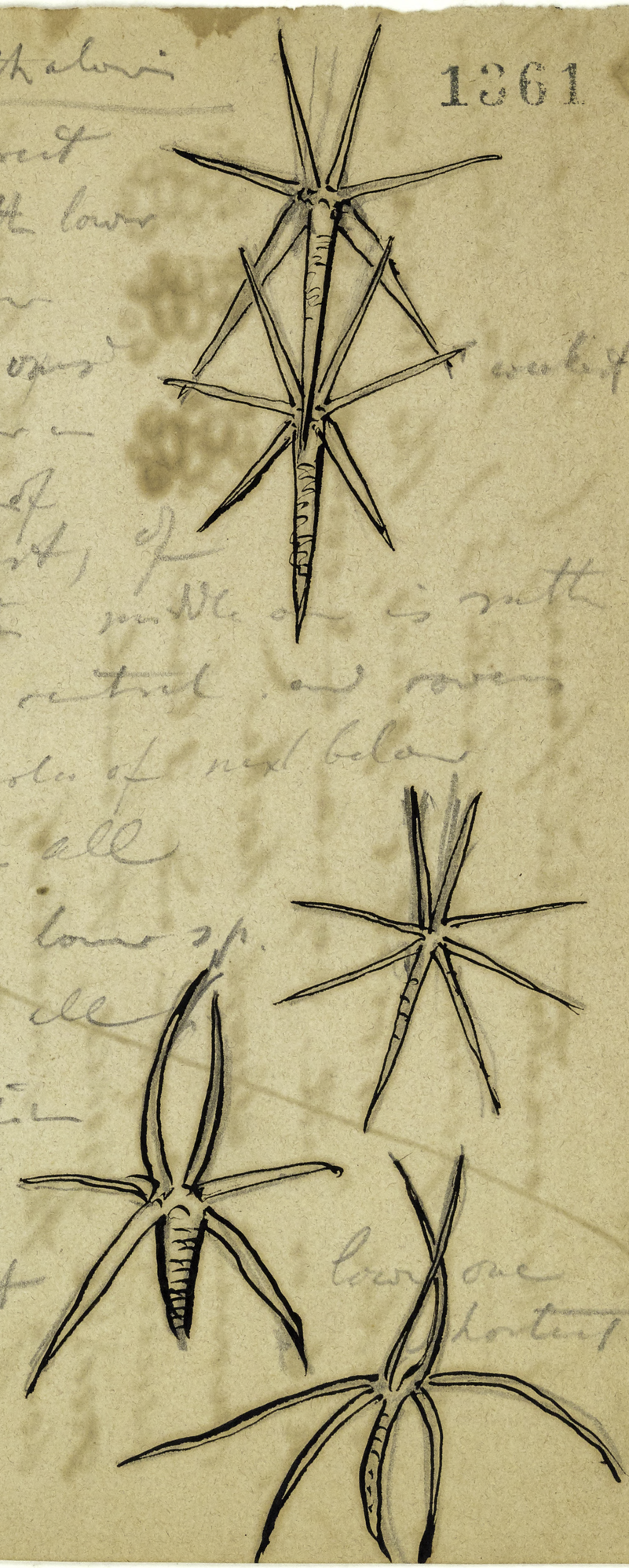
7 sp - all

2 two lower sp.

8 sp - all

3 uppermost
7 sp.
upper
1 p longest

4 7 sp



lower one
shortest

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Hook Icon 1857

Echinocactus pilifemus, (= Stainesii ?)
(original specimen at Jacobi's)
Areolae 4 rectus spines, the lowest one
flat or with angular and compressed and
curved, always hooked
usually 2 upper and 3 lower
radial spines, the lowest
being the smallest. —
Sometimes 3 upper, and at other times 4 and
even 5 lower ones are to be found.
The margin of the areola is surrounded
by short curly hairlike spines —
an analogy to E. Wislizeni ? —

Ech. villosus = polyacanthus (fide Jacobi)
a hylogoxonous Cactus has bristly spines
and is much more densly covered with them
than my E. dasyacanthus. —

* yes ! at least many splendid speci-
mens ! named by Hooker E. Stainesii
sound are 1½ feet diam — & 2–3' high

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